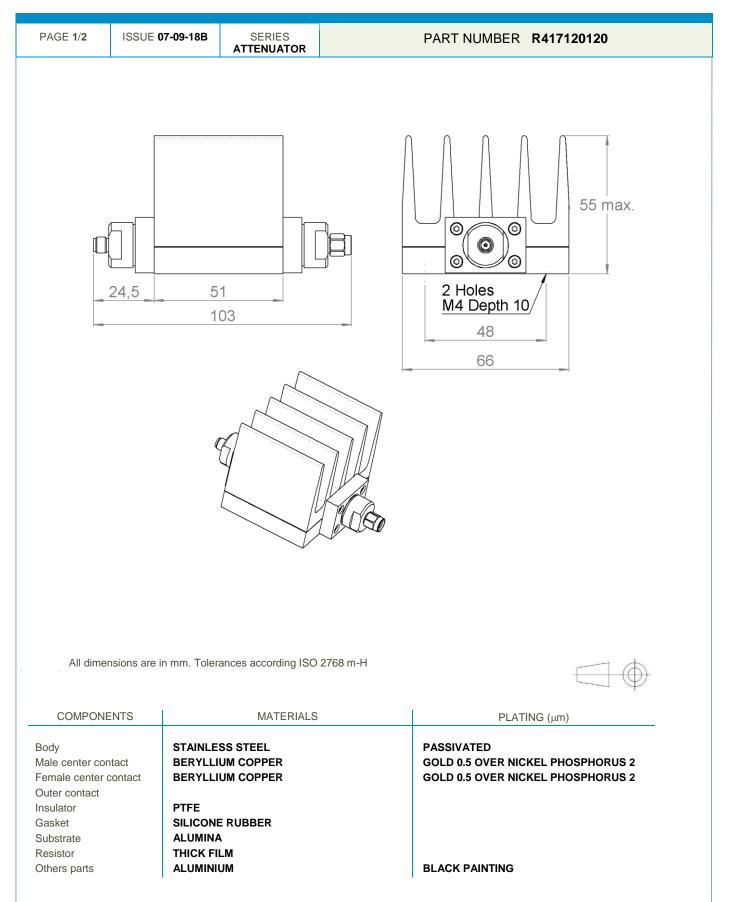
Technical Data Sheet

SMA ATTENUATOR 20 DB 3 GHZ 50W





This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

Technical Data Sheet

SMA ATTENUATOR 20 DB 3 GHZ 50W



	2/2	ISSUE 07-09-7	18B SERIE ATTENUA		PAR		R417120120
Frequency (GHz)DC - 11 - 22 - 3Lotiation(±dB)222Operating Frequency RangeDC - 3GHzImpedance50ΩNominal Attenuation20dBPack power at 25°C40W (Free Air Cooled)Average power at 25°C40W (Free Air Cooled)For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is requiredDECHAICAL CHARACTERISTICSConnectorsSMAMale FemaleML-C 39012Veight325,3800g							
Frequency (GHz)DC - 11 - 22 - 3Lotiation(±dB)222Operating Frequency RangeDC - 3GHzImpedance50ΩNominal Attenuation20dBPack power at 25°C40W (Free Air Cooled)Average power at 25°C40W (Free Air Cooled)For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is requiredDECHAICAL CHARACTERISTICSConnectorsSMAMale FemaleML-C 39012Veight325,3800g			-				
V.S.W.R (s) 1.10 1.25 1.35 Deviation(:dB) 2 2 2 Operating Frequency Range DC - 3 GHz Impedance 50 Ω Nominal Attenuation 20 dB Peak power at 25°C 40 W (Free Air Cooled) Average power at 25°C 50 W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required MIL-C 39012 MECHANICAL CHARACTERISTICS Connectors SMA Male Female MIL-C 39012 Weight 325,3800 g			-	LECTRICAL CH		_	
Deviation(:tdB) 2 2 2 Operating Frequency Range DC - 3 CHz Impedance 50 Ω Nominal Attenuation 20 dB Peak power at 25°C 40 W (Conduction Cooled) Average power at 25°C 40 W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required MIL-C 39012 Connectors SMA Male Female ML-C 39012 Weight 325,3800 g							
Operating Frequency Range DC - 3 GHz Impedance 50 Ω Nominal Attenuation 20 dB Peak power at 25°C 40 W (Free Air Cooled) Average power at 25°C 40 W (Free Air Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required MCCHANICAL CHARACTERISTICS Connectors SMA Male Female ML-C 39012 Weight 325,3800 g Storage temperature range -55 /r125 °C Operating temperature range -55 /r125 °C Storage temperature range -55 /r125 °C Ver derating Versus temperature 75 /r125 °C Storage temperature (range -35 /r125 °C Ver derating Versus temperature 7 9 -2 -2 -2 -2 Storage temperature (range -1 -2							
Impedance 50 Ω Nominal Attenuation 20 dB Peak power at 25°C 40 W (Free Air Cooled) Average power at 25°C 40 W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required MIL-C 39012 MECHANICAL CHARACTERISTICS Connectors SMA Male Female MIL-C 39012 Weight 325,3800 g g • • Diversition of the state stat	Devia	ation(⊥ub)	Z	2	2		
Impedance 50 Ω Nominal Attenuation 20 dB Peak power at 25°C 40 W (Free Air Cooled) Average power at 25°C 40 W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required MIL-C 39012 MECHANICAL CHARACTERISTICS Connectors SMA Male Female MIL-C 39012 Weight 325,3800 g g • • Diversition of the state stat	Onera	ating Frequency	Range		DC - 3		GHz
Nominal Attenuation 20 dB Peak power at 25°C (1µs, 1%o) 5000 W Average power at 25°C 40 W (Free Air Cooled) 50 W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required Mechanical CHARACTERISTICS Mechanical CHARACTERISTICS Connectors SMA Male Female ML-C 39012 Weight 325,3800 g ENVIRONMENTAL CHARACTERISTICS Operating temperature range -55 /+125 °C °C Storage temperature (°C) SPECIFICATION SPECIFICATION			lange				
Average power at 25°C 40 W (Free Air Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required W (Conduction Cooled) MECHANICAL CHARACTERISTICS Connectors SMA Male Female MIL-C 39012 Weight 325,3800 g G Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range -55/+125 °C Storage temperature range Generature (regine dettion between dettin between dettion between dettion between dettin between							
S0 W (Conduction Cooled) For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required MECHANICAL CHARACTERISTICS Connectors SMA Male Female MIL-C 39012 Weight 325,3800 g CONTRONMENTAL CHARACTERISTICS Operating temperature range -55/+125 °C Storage temperature (°C) Storage temperature (°C) Storage temperature (°C)	Peak power at 25°C (lµs, 1%₀)		5000		W
For conduction cooling, a plate 500 cm2 x 3 mm(78 sq.in*1/8) min. is required MECHANICAL CHARACTERISTICS Connectors SMA Male Female MIL-C 39012 Weight 325,3800 g CNVIRONMENTAL CHARACTERISTICS Operating temperature range -55 /+125 °C Storage temperature range -55 /+125 °C Vewer derating Versus temperature 0 Image: Storage temperature range -55 /+125 °C Storage temperature range -55 /+125 °C Storage temperature range -00 -00 Image: Storage temperature range -00 -00 <td>C</td> <td></td> <td></td> <td></td> <td></td>			C				
DECHANICAL CHARACTERISTICSMainMainMainMainWeight325,3800gCINCONMENTAL CHARACTERISTICSOperating temperature range-55/+125°CStorage temperature range-55/+125°CCondet temperature range-55/+125°COperating temperature range-55/+125°C </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>W (Conduction Cooled)</td>							W (Conduction Cooled)
ConectorsSMAMale FemaleML-C 3901Wight325,3800g DUROMENTAL CHARACTERISTICS Operating temperature range55/+125°CStorage temperature range-55/+125°COperating temperature range-56/+125°COperating temperatu	For c	onduction cooli	ng, a plate 500 cm	12 x 3 mm(78 sq.i	n*1/8) min. is requ	uired	
DURONMENTAL CHARACTERISTICS <a>Derating temperature range <a>So <a>So <a>Derating temperature range <a>So <td< th=""><th></th><th></th><th></th><th></th><th>Female</th><th></th><th>MIL-C 39012</th></td<>					Female		MIL-C 39012
Operating temperature range-55 /+125CStorage temperature range-55 /+125C	Weigh	nt	325,3800	g			
Image: constraint of the second se				ature range	-55	/+125 °C	
Image: constraint of the second se							
Image: constraint of the second se							
y y y y y y y y y y y y y y y y y y y				ure range	-55		
10 -55 -55 -15 25 75 125 Temperature (°C) SPECIFICATION			Storage temperat	ure range	-55		
10 -55 -55 -15 25 75 125 Temperature (°C) SPECIFICATION			Storage temperat	ure range	-55		
10 -55 -55 -15 25 75 125 Temperature (°C) SPECIFICATION			Storage temperat	ure range	-55		
-55 -15 25 75 125 Temperature (°C) SPECIFICATION			Storage temperat	ure range	-55		
SPECIFICATION_			Storage temperat	ure range	-55		
			Storage temperat	Power derating Vo	-55	/+125 °C	
			Storage temperat	Power derating Vertication of the second sec	25 75 12	/+125 °C	
			Storage temperat	Power derating Vertication of the second sec	25 75 12	/+125 °C	
OTHER CHARACTERISTICS			Storage temperat	Power derating Ve	-55 ersus temperature	/+125 °C	
OTHER CHARACTERISTICS			Storage temperat	Power derating Ve	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Ve	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	
			Storage temperat	Power derating Vo	-55 ersus temperature	/+125 °C	

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.