

Product Features

P1dB Quick Release SMA Male Connector is a precision design that operates to 18 GHz. The QR SMA connector is designed lock onto a mating connector when its sleeve pushed forward. This design is a good solution where other Push-On SMA designs may disengage due to vibration. The QR SMA is also a great solution where rapid mating and de-mating is needed. The Quick Release SMA connector is designed to be terminated to various Flexible 402 cable designs.



Electrical Specification: $T_{Ambient} = 25^{\circ}C$

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Impedance	DC to 18 GHz	Ohms	—	50	—	
VSWR	DC to 18 GHz	1:	—	—	1.15	
Voltage Rating		VRMS			335	
Dielectric Withstanding Voltage		VRMS			1000	
Insulation Resistance		MOhms	5000			

Mechanical Specification

Parameter	Description	Notes
Connector Type	Quick-Release SMA	Meets Mil-Std-348B, SMA Male
Gender	Male	
Body Material	Beryllium Copper	Per QQ-C-530
Body Plating	Gold	Per MIL-G-45204
Contact Material	Beryllium Copper	Per QQ-C-530
Contact Plating	Gold	Per MIL-G-45204
Sleeve and Clamp Nut	Passivated Stainless Steel	303, Per QQ-S-764
Snap Ring	Beryllium Copper	Per QQ-C-530
Solder Bushing	Brass	2HD, QQ-B-626
Insulator	PTFE	Per ASTM D1710
Gasket	Silicone Elastomer	Per QQ-C-530
Cable Compatibility	Various Flexible 402 Designs	

Environmental Specification

Parameter	Value	Notes
Operating Temperature	-65° to +165° C	
RoHS	Yes	
REACH	TBD	Directive 2011/ 65/EU

Drawing

