

**Key Features**

- Wide band, DC ~ 13.0 GHz
- 1.20:1 VSWR
- 20 W CW power handling
- Precision machined housing
- RoHS compliant

**Applications**

- Up to 13 GHz Band
- Satellite communications
- Broadcast
- RF bench test
- Mobile base station applications

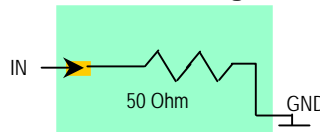


**Note: Heat sink is required for high power applications!!!**

**Absolute Maximum Ratings**

Input Power, CW	43 dBm
DC Voltage	32 V
Storage Temperature	-40°C to +85°C

**Functional Block Diagram**



**Ordering Information**

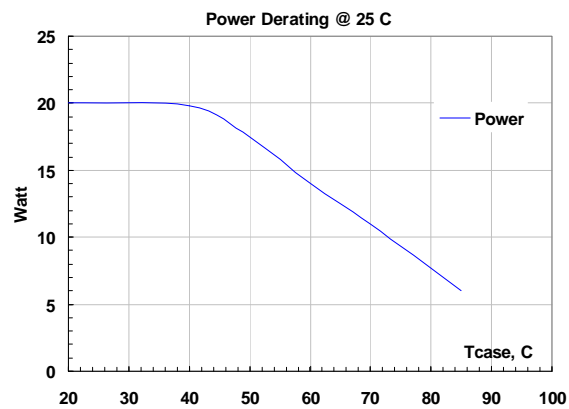
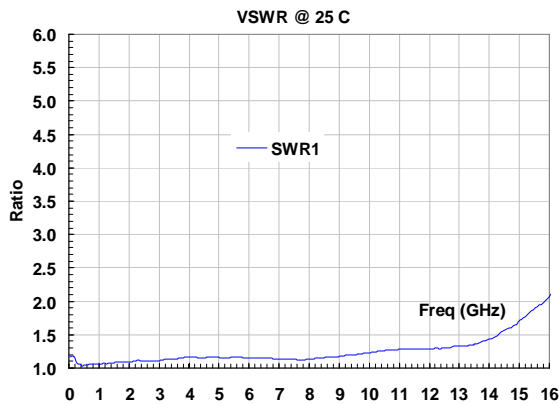
Model	Frequency
WLD0060Ax	DC to 6.0 GHz
WLD000130Ax	DC to 13.0 GHz

x	1	2
SMA	Female	Male

**Specifications** (Tested at +25°C)

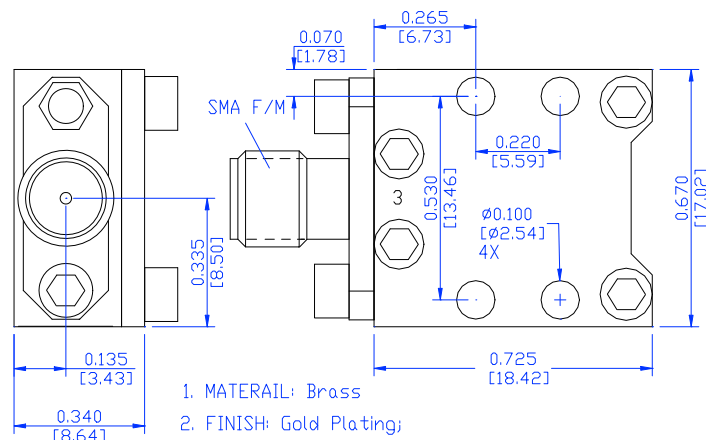
Item	Symbol	Test Constraints	Min	Typ	Max	Unit
Frequency Range	BW	50 Ohm Impedance	DC		13.0	GHz
VSWR	SWR <sub>i</sub>	DC – 13 GHz		1.20:1	1.5:1	Ratio
Maximum Power Handling	P <sub>MAX</sub>	DC – 13 GHz, CW			43	dBm
Maximum DC Voltage	V <sub>DCMAX</sub>				32	V
Thermal Resistance	R <sub>th,c</sub>	Channel to case		6.0	7.0	°C/W
Operating Temp	T <sub>o</sub>		-40		+85	°C

**Typical Performance**



**Package Outline Drawing**

Units: INCH  
[mm]



1. MATERIAL: Brass
2. FINISH: Gold Plating;
3. All SMA connectors are field replaceable.