

PART NUMBER	DESCRIPTION
CAS-37	3-State Attenuated Switch, DC-25 GHz
<p>The CAS-37 is a multi-state coaxial switch. It can be switched to a low loss state (less than 0.5 dB), attenuated state (20 dB across a broadband) or open state with one of the 2 RF inputs terminated into a 50Ω termination.</p> <p>The CAS-37 tri-state attenuated coaxial switch is ideal for many applications including test &amp; measurement where stringent signal fidelity switching, minimum device footprint, and switch reliability are of prime concern.</p>	

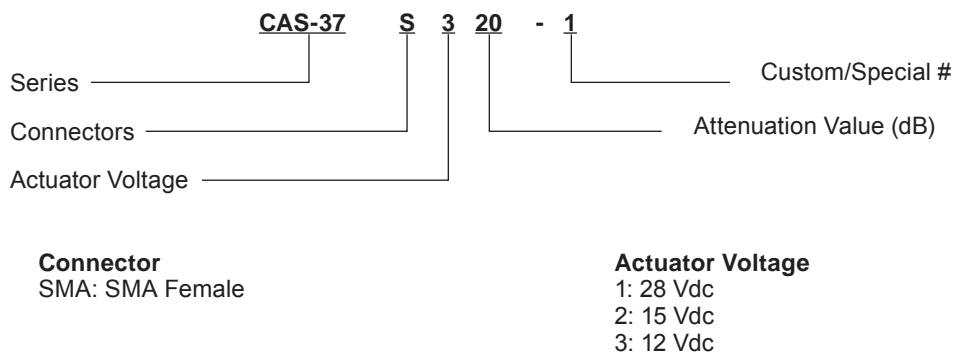


ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS	
Operating Temperature	0°C to 55°C
Vibration (MIL-STD-202 Method 214, Condition D, non-operating)	5G RMS
Shock (MIL-STD-202 Method 213, Condition D, non-operating)	500G
Life	1 Million Cycles
RF Power	Contact Factory
Connector Type	SMA
Weight	4 oz. (113.4g) (max)

ELECTRICAL CHARACTERISTICS	
RF Contacts	Break before make
Frequency Range	DC-25 GHz
Characteristic Impedance	50 W
Operate Time	20 ms (max.)
Release Time	20 ms (max.)
Actuation Voltage Available (V)	12
Actuation Current (mA)	380

PERFORMANCE CHARACTERISTICS						
Parameter	DC-3 GHz	3-9 GHz	9-13 GHz	13-18 GHz	18-21 GHz	21-25
VSWR, 20 dB Path (max.)	1.11:1	1.20:1	1.50:1	1.45:1	1.80:1	2.80:1
VSWR, Thru Path (max.)	1.11:1	1.20:1	1.25:1	1.33:1	1.33:1	1.50:1
Attenuation, 20 dB (dB max/min)	+28 -.4	+48 -.4	+83 -.41	+1.12 -.48	+1.55 -.56	+1.95 -.65
Insertion Loss, Thru Path (dB max.)	-.35	-.48	-.63	-.75	-.93	-1.1
Isolation, Open Path	>60	>25	>25	>25	>25	>25

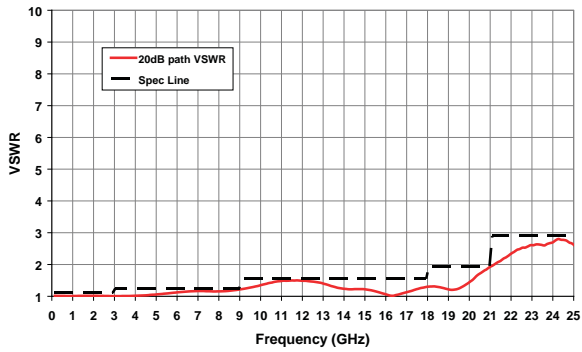
**PART NUMBERING SYSTEM**



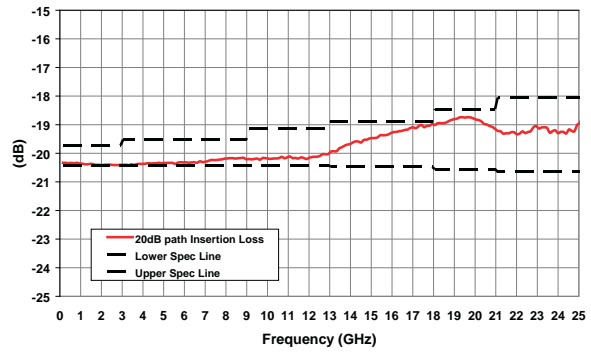
**For other options, contact factory.**

**TYPICAL PERFORMANCE CURVES**

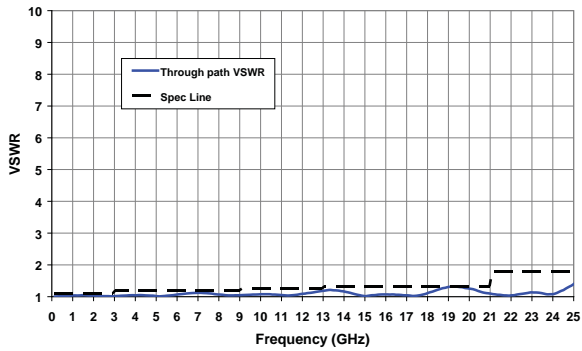
20dB Path VSWR



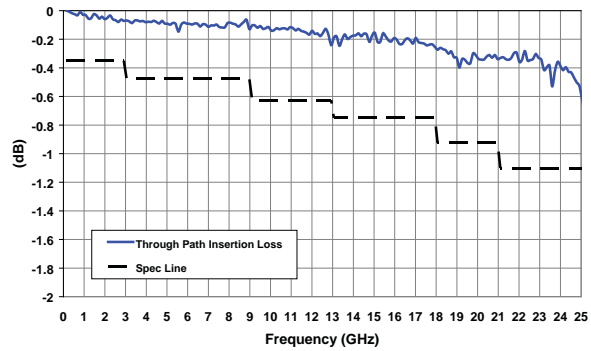
20dB Path Insertion Loss



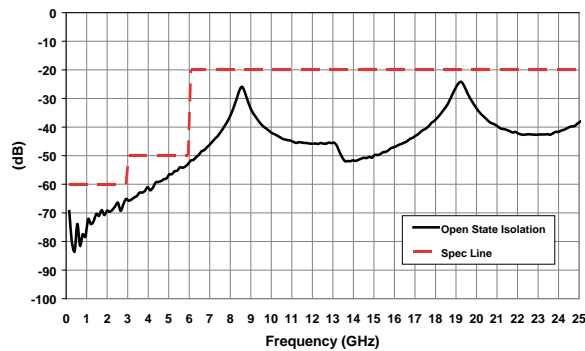
Through Path VSWR



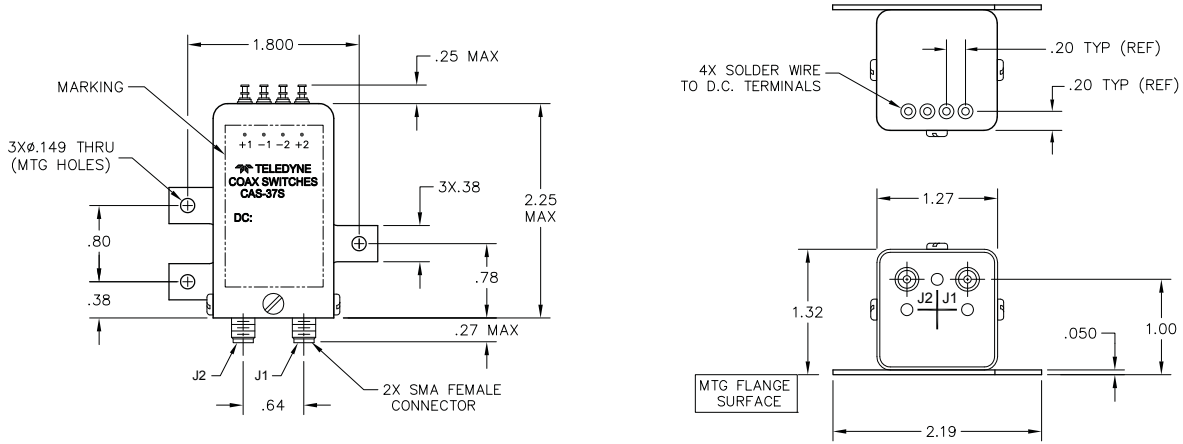
Through Path Insertion Loss



Open State Isolation



**MECHANICAL OUTLINE**



**SCHEMATIC DIAGRAM**

