

RAMSES Series

GENERAL SPECIFICATIONS

OPERATING MODE		FAILSAFE		LATCHING	
Nominal operating voltage (across operating temperature)	Vdc	12 (10.2 / 13)	28 (24 / 30)	12 (10.2 / 13)	28 (24 / 30)
Coil resistance (+/-10%)	Ω	35	200	38	225
Nominal operating current at 23 °C	mA	340	140	320	125
Average power		See Power Rating Chart page 1-13			
TTL input	High Level	2.2 to 5.5 Volts - 800 μA max 5.5 Volts			
	Low Level	0 to 0.8 Volts - 20 μA max 0.8 Volts			
Indicator rating		1 W/30 V/100 mA			
Switching time (max)	ms	15			
Life	SMA - SMA 2.9 - QMA - DIN 1.6/5.6	2.5 million cycles			
	2.4 mm	2 million cycles			
Connectors		SMA - SMA 2.9 - QMA - DIN 1.6/5.6 - 2.4 mm			
Actuator terminals		Solder pins or male 9 pin D-Sub connector			
Operating temperature range	DIN 1.6/5.6 - 2.4 mm	-25°C to +70°C			
	SMA - SMA 2.9 - QMA	-40°C to +85°C			
Storage temperature range	DIN 1.6/5.6 - 2.4 mm	-40°C to +85°C			
	SMA - SMA 2.9 - QMA	-55°C to +85°C			
Vibration (MIL STD 202, Method 204D, Cond. C)		10-2,000 Hz, 10g		operating	
Shock (MIL STD 202, Method 213B, Cond. G)		50 g/11 ms, ½ sine		operating	

RF PERFORMANCE

CONNECTORS	FREQUENCY RANGE GHz	V.S.W.R. (MAX)	INSERTION LOSS (MAX) dB	ISOLATION (MIN) dB	IMPEDANCE Ω	
DIN 1.6/5/6	DC - 2.5	DC - 1	1.20	0.20	80	75
		1 - 25	1.30	0.30	70	
QMA	DC - 6	DC - 3	1.20	0.20	80	50
		3 - 6	1.20	0.30	70	
SMA	DC - 3 DC - 18 DC - 26.5	DC - 3	1.20	0.20	80	50
		3 - 8	1.30	0.30	70	
		8 - 12.4	1.40	0.40	65	
		12.4 - 18	1.50	0.50	60	
SMA 2.9	DC - 40	18 - 26.5	1.70	0.70	50	50
		DC - 6	1.30	0.30	70	
		6 - 12.4	1.40	0.40	60	
		12.4 - 18	1.50	0.50	60	
		18 - 26.5	1.70	0.70	55	
2.4 mm	DC - 50	26.5 - 40	1.90	0.80	50	50
		40 - 50	2.00	1.10	50	
		DC - 6	1.30	0.30	70	
		6 - 12.4	1.40	0.40	60	
		12.4 - 18	1.50	0.50	60	
		18 - 26.5	1.70	0.70	55	

See page 4-4 for typical RF performance.