



---

Reference	Approved	Origin date	Issue date	Issue	Page	Document
HNg	HW	1996-02-12	2004-04-26	B	2 (2)	<b>WS 8189D58/00</b>

---

### RF DATA

Frequency range	5.8 – 16.0 GHz
VSWR	1.2
Insertion loss	0.4 dB
Isolation	50 dB
Peak power	30 kW at 0.1 MPa abs., +25°C
Average power	750 W
Flange interface	WRD 580 Modified with 6-32 UNC-2B, thread depth min 5

### ACTUATOR DATA

Operating voltage	28±3 VDC
Operating current	1 A, Self cut off
Switching time	100 ms
Duty (min time between successive operations)	500 ms -20°C to +40°C linearly increasing to 2 s at +70°C
Connector	MS 3112 E14-19P
Mating connector	MS 3116F 14-19S or eq.

### POSITION INDICATOR

Voltage / Current	30 V Max, 100 mA Max Resistive load
Position indicator	Three sets of C-form contacts and one set of inhibit contact, opened during VSWR >1.2

### MECHANICAL DATA

Material	Aluminium alloy, Cu free
Finishing	Chromate per MIL-C-5541 and black painted
Air pressure	0.1 MPa overpressure
Air leakage	10 cm <sup>3</sup> /min. (0.1 MPa overpr.) Max
Weight	0.45 kg Max
Life	250 000 actuations

### ENVIRONMENTAL DATA

Ambient temperature	-20°C to +70°C
Vibration	5 – 18 Hz, 3 mm amplitude 18 – 2000 Hz, 15 g
Humidity	100%RH if dry air in waveguide