## **0.84M Elliptical Ku-Band Receive Only** Series 1840

## **Technical Specifications**

KuIntenna Size84 (eflector Dimensions40.0perating Frequency (GHz)10.3lidband Gain (+/5dB)38.4	Aeries 1840 (u-Band 4 CM (33 in.) 0.00" x 30.00" Ellipse 0.95 - 12.75 GHz 8.4 dBi 23 dB
eflector Dimensions 40.0 perating Frequency (GHz) 10.9 lidband Gain (+/5dB) 38.4 rst Sidelobe (Typical) -23 ntenna Noise Temperature 20° Elevation 43 I	0.00" x 30.00" Ellipse 0.95 - 12.75 GHz 8.4 dBi 23 dB
perating Frequency (GHz) 10.9 lidband Gain ( +/5dB) 38.4 rst Sidelobe (Typical) -23 ntenna Noise Temperature 20° Elevation 43 I	0.95 - 12.75 GHz 8.4 dBi 23 dB
lidband Gain ( +/5dB) 38.4 rst Sidelobe (Typical) -23 ntenna Noise Temperature 20° Elevation 43 I	8.4 dBi 23 dB
rst Sidelobe (Typical) -23 ntenna Noise Temperature 20° Elevation 43 I	23 dB
ntenna Noise Temperature 20° Elevation 43 I	
20° Elevation 43 I	2 K
$\begin{array}{ccc} 20^{\circ} < \theta \leq 26.3^{\circ} & & -3.5 \\ 26.3^{\circ} < \theta \leq 48^{\circ} & & 32 \\ \theta > 48^{\circ} & & -10 \end{array}$	9 - 25 Log0 dBi 3.5 dBi 2 - 25 Log0 dBi 10 dBi (averaged)
	30 dB on Axis
	.3:1 Max.
eed Interface Red	ectangular WR 75
lechanical	
eflector Material One	Ine Piece Glass Fiber Reinforced Polyester SMC
ntenna Optics Prin	rime Focus, Offset Feed Elliptical
lount Type Ele	levation over Azimuth
last Pipe Size 2" 3	" SCH 40 Pipe (2.38" OD) 6.05 cm
evation Adjustment Range 5° t	° to 85°, Continuous Fine Adjustment
zimuth Adjustment Range 360	60° Continuous
hipping Specifications 27 I	7 lbs. (12 kg.) 34 x 10 x 40
nvironmental Performance	
	0 mph (72 km/h) 25 mph (201 km/h)
	40° to 140° F (-40° to 60° C) 50° to 160° F (-46° to 71° C)
	/2″/hr ″/hr
oporational	/2″ radial
	alt, Pollutants and Contaminants as Encountered in Coastal and ndustrial Areas
olar Radiation 360	60 BTU/h/ft2

## GENERAL DYNAMICS

SATCOM Technologies

1500 Prodelin Drive • Newton, NC 28658 USA • Telephone: +1-828-464-4141 • Fax: +1-828-464-4147 Email: vsat@gdsatcom.com • Web Site: www.gdsatcom.com

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