



ITS ELECTRONICS INC.
MICROWAVE COMPONENTS AND SUBSYSTEMS

ISO 9001:2000 and SAE AS9100A Certified

2 W Ka-Band Block Up-converter

PN: UC-2930-3358

Input Frequency Range	950 – 1450 MHz
Output Frequency Range	29.5 – 30.0 GHz
Spectra Inversion	No
Maximum Input Power without Damage	+10 dBm min.
Output Power @1dB GCP	33 dBm min.
3rd Order IMD Intercept Point	36 dBm min.
Small Signal Gain	58 dB min.
Gain Variation over Temperature	5.5 dB p-p max.
Gain Variation over Frequency	5.5 dB p-p max. over 500MHz 2.0 dB p-p max. over any 125 MHz 1.0 dB p-p max. over any 20 MHz
Group Delay Variation	4 ns p-p max over any 50 MHz
In-band Output Spurious	-60 dBc max.
Out-of-band Output Spurious	-50 dBc max.
SSB Phase Noise:	-72 dBc/Hz @ 1 kHz -82 dBc/Hz @ 10 kHz -92 dBc/Hz @ 100 kHz -102 dBc/Hz @ 1 MHz -112 dBc/Hz @ 10 MHz
Reference Input Frequency	10 MHz
Reference Input Level	0 ± 5 dBm
Power Supply:	+24 to +28 VDC, 56 Watt max.
Control and Monitoring Functions	Optional
Input Connector (for IF, Reference and DC)	F-female, 75 Ohm
Output Connector	WR-28 Flange
Operating Temperature	-40°C to +55°C

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Specifications are subject to change without notice.

ITS Electronics Inc. Proprietary Information

Response, Innovation, Craftsmanship

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To Order or for Technical Information

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