

April 4, 2023

Notice of Specification Change

Customer:	All	TTM Order#	All
Customer P/N:	All	TTM PCN #	308094
TTM P/N:	X4C50F1-30S	Qty Affected:	All

Notice of Specification Change(s):

TTM RF&S would like to inform you that a specification change is required for the X4C50F1-30S. The table below outlines current specifications and updated specifications for a widened frequency range from 3600-6300 MHz to 3300-6300 MHz. Frequency bands are also regulated and new specifications are listed for that new bands. All other parameters found on the datasheet will meet current specifications.

Current Datasheet Specifications

Frequency MHz	Directivity dB Min	Insertion Loss dB Max	VSWR Max : 1
3600-6300	18	0.100	1.22
4500-4600	20	0.070	1.22
4900-5000	20	0.075	1.22
Mean Coupling dB	Frequency Sensitivity dB	Power Avg.CW Watts at 105° C	Operating Temp. °C
30.0 ±1.5	1.00	100	-55 to +150
30.0 ±1.5	0.05	100	-55 to +150
30.0 ±1.5	0.05	100	-55 to +150

Updated Datasheet Specifications

Frequency MHz	Directivity dB Min	Insertion Loss dB Max	VSWR Max : 1
3300-4200	20	0.10	1.22
4200-5000	18	0.10	1.22
5000-6300	15	0.12	1.22
Mean Coupling dB	Frequency Sensitivity dB	Power Avg.CW Watts at 105° C	Operating Temp. °C
30.0 ±1.5	0.50	100	-55 to +150
30.0 ±1.5	0.25	100	-55 to +150
30.5 ±1.5	1.00	100	-55 to +150

Justification:

This change to increase performance has been implemented as a part of

- Covering a wider frequency range
- Having equally distributed frequency bands

There is no change in the functionality of this part.

Specification Change Timeline:

The new specification will automatically go into effect **IMMEDIATELY** for any new orders. The change in performance will not affect any outstanding orders. TTM feels that this specification change is essential to ensure increased performance. If you have any questions or need further information, please call me at 1-315-233-5691 or send e-mail to Andrew.Kempf@ttm.com

Sincerely,
Andrew Kempf
Director of Program Managment
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