

## MwT Products RoHs Compliance

### **Microwave Technology Cares About The Environment**

Microwave Technology Inc. recognizes the importance to maintain and support regulatory standards that will ensure a healthy environment for present and future generations. The EU directive is such a regulatory standard to assure the reality of a safe clean environment. MwT regards environmental safety as an essential part in doing business that can have a positive impact by providing safe products. Most important, we regard this as responsibility.

***Please be advised***, MwT is a manufacture of microcircuit products that are commonly used in higher level of assemblies products by its customers. MwT accepts no responsibility for any post shipment processing that may introduce any of the above contaminants in any OEMs higher assembly processing.

Refer to Product/Package Matrix for Ordering Environment Certified Products.

## Package Matrix for Ordering Environment Certified Products

Package	Description	Lead Finish	Package Encapsulation	Hermeticity Rating	DA Medium	Max Reflow Temp.	MSL Rating	RoHS Status
3X3 QFN	Plastic Package	Sn plate	Epoxy Mold Compound	Non-Hermetic	Epoxy	3X 245 °C +15 °C	3	Complies to EU Directive, 2002/95/EC
89 (SOT 89)	Plastic Package	Sn plate	Epoxy Mold Compound	Non-Hermetic	Epoxy	3X 245 °C + 15 °C	3	Complies to EU Directive, 2002/95/EC
<b>WPS Package</b>								
02 SMT Pkg.	LCC - Ceramics	Au plated lead	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Perform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
99 Pkg.	Ceramic SMT	Au plated leads	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Perform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
<b>MPS Pkg.</b>	<b>Modular Power Supply</b>							
70 FET	4 Pin	Au plated leads	Metal Lid - B-Stage Epoxy	Fine & Gross Test	Au/Sn Preform	3 X 217° C + 5 ° C	1	Complies to EU Directive, 2002/95/EC
71 FET	2 Pin	Au plated leads	Metal Lid - B-Stage Epoxy	Fine & Gross Test	Au/Sn Preform	3 X 217° C + 5 ° C	1	Complies to EU Directive, 2002/95/EC
73 FET	4 Pin	Au plated leads	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Preform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
81 MPS	2 Pin	Au plated leads	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Preform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
82 MPS	10 Pin SMT	Au plated leads	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Preform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
84 MPS	8 Pin SMT	Au plated leads	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Preform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
87 MPS	8 Pin Flat	Au plated leads	Metal Lid - B-Stage Epoxy	Fine & Gross Test	Au/Sn Preform.	3 X 217° C + 5 ° C	1	Complies to EU Directive, 2002/95/EC
83 MPS	2 Pin	Au plated leads	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Preform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
<b>ULA</b>	<b>Ultra Linear Amplifier</b>							
85 MPS	1/2 Flange	Au plated lead	Ceramic Lid - B-Stage Epoxy	Gross Test Only	Au/Sn Preform.	3 X 217° C + 5 ° C	2	Complies to EU Directive, 2002/95/EC
86 MPS	10 Pin SMT	Au plated leads	Metal Lid - B-Stage Epoxy	Fine & Gross Test	Au/Sn Preform.	3 X 217° C + 5 ° C	1	Complies to EU Directive, 2002/95/EC
<b>Hybrid Mod.</b>								
U/L-1								
S/L-2								
S/Z-1								
S/Z-2								

**MSL Rating (JEDEC J – Std 020 C), Maximum floor life in a controlled room environment.**

**1 = Unlimited <- 30 °C/85% RH,**

**2 = 1 year <- 30 °C/60% RH,**

**2a = 4 weeks <- 30 °C/60% RH,**

**3 = 168 hours <- 30 °C/60% RH**