

Marki Microwave Surface Mount Guide

Package	<u>EZ & EQ</u> 	<u>CQ & CQG</u> 	<u>FQ</u> 	<u>Mini SMT</u> 	<u>Long SMT</u> 	<u>UZ</u> 
Marki Product Line	<u>Mixers (T3, M1, M2, M3, M4)</u> <u>Amplifiers</u> <u>Doublers</u>	<u>Mixers (T3)</u>	<u>Mixers (T3)</u>	<u>Bias Tees</u> <u>Power Dividers</u> <u>Diplexers</u>	<u>Bias Tees</u> <u>Power Dividers</u>	<u>Mixers (Amplified T3s)</u>
Via Type	Eyelet ¹	Castellation Via	Plated Through-hole	Plated Through-hole	Plated Through-hole	Eyelet ¹
Footprint (typ)	0.600" x 0.320" (EZ) 0.400" x 0.320" (EQ)	0.400" x 0.320"	0.400" x 0.320"	0.240" x 0.150"	0.450" x 0.150"	0.800" x 0.320"
Carrier Material	Tin/Lead(85/15) Plated Brass	FR4	PTFE	PTFE	PTFE	Tin/Lead(85/15) Plated Brass
Max Frequency of Operation	30 GHz	16 GHz	30 GHz	35 GHz	34 GHz	30 GHz
Suspended Substrate Compatible	Yes	No	No	No	No	Yes
Lead-Free Option	No	Yes (CQG only)	No	Yes	Yes	No

1. The *eyelet* transition is a proprietary SMT technology designed and developed exclusively by Marki Microwave.