

# Indoor Integration Tap and Splitter

## 1. Summary

Indoor Integration Splitters are Passive Distribution Transmission Devices for 5-1000MHz bidirectional transmission systems. SMT is used to product internal lines. Optimal design is adopted to improve Flatness in Band and Return Loss. It is characterized by low insertion loss, small splitter deviation, low tap loss and high port isolation. Zine-alloy case is plated with tin. Tin rear blind cover is adopted to improve shielding factor, so the EMC of this products meet the international standard. These products for home sale meet GY/T 137-1999. These products for export meet European Standard or American Standard. These products can be product according to user's requirement.

## 2. Technique Parameter

### Indoor Splitters

Item		Unit	Technique Parameter						
Splitter Loss	Standard	dB	8	10	12	14	16	18	20
	Allowable variation	dB	±1.5						
Insertion Loss	5~65MHz	dB	≤2.5	≤2.2	≤2.0	≤1.8	≤1.7	≤1.5	≤1.2
	65~550MHz	dB	≤2.0	≤1.8	≤1.5	≤1.3	≤1.2	≤1.0	≤0.7
	550~750MHz	dB	≤2.2	≤2.0	≤1.8	≤1.6	≤1.5	≤1.5	≤1.5
	750~1000MHz	dB	≤2.5	≤2.2	≤2.0	≤2.0	≤1.8	≤1.8	≤1.8
Reverse Isolation	5~65MHz	dB	≥20	≥22	≥22	≥24	≥26	≥28	≥30
	65~550MHz	dB	≥22	≥22	≥22	≥24	≥26	≥28	≥30
	550~750MHz	dB	≥22	≥22	≥22	≥24	≥26	≥28	≥30
	750~1000MHz	dB	≥20	≥20	≥22	≥22	≥24	≥24	≥26
Return Loss	5~65MHz	dB	≥16						
	65~550MHz	dB	≥16						
	550~750MHz	dB	≥16						
	750~1000MHz	dB	≥16						
Shield Decay	dB	≥100							

