



## PIN Diodes for Attenuators

### The new RN77 Series!



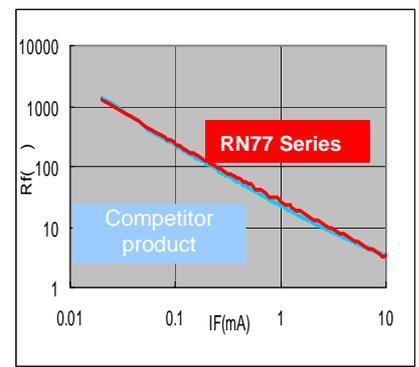
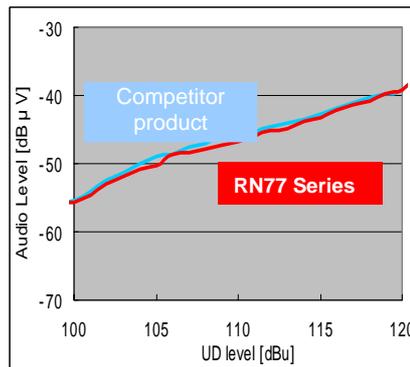
The ROHM Diode Manufacturing Department has developed PIN diodes optimized for car audio and car antenna AGC (Auto Gain Control) applications. A press announcement will be held in conjunction with this release. Therefore, it is recommended that promotion of the products be conducted at this time.

#### (External Dimensions)



#### Features:

1. Featuring exceptional intermodulation characteristics - **optimal for AGC circuits**
  - Low cross-modulation distortion, making them suitable for AM circuits
2. **Low capacitance with small forward resistance**
  - High linearity RF characteristics
3. **Small surface-mount package**



#### Lineup

Cross-modulation Distortion Comparison

IF-Rf Characteristics Comparison

Part Number	Package	VR	Ct	Rf	Equiv. Circuit	Competitor Pt. No.	PIN Compatible
RN771V	UMD2(1712)	50Vmin.	0.9pFmax. (V=35V)	7 max. (IF=10mA)		KP2311E	
RN779F	UMD3(2012)	50Vmin.	0.9pFmax. (V=35V)	7 max. (IF=10mA)		KP2310R	
RN779D	SMD3(2916)	50Vmin.	0.9pFmax. (V=35V)	7 max. (IF=10mA)		KP2310S	

**APPLICATIONS: Car audio and car antenna AGC (Auto Gain Control) circuits**