

μ PD1710G-017, μ PD1710G-117**PLL/CONTROLLER WITH CLOCK FUNCTION FOR FM·MW TUNER**

The μ PD1710G-017, μ PD1710G-117 is a PLL/controller with the clock function, which is designed especially for car radio of FM·MW bands in South Africa.

FEATURES

- Single power supply of 5 V $\pm$ 10 %
- Low power consumption: 600 μ A TYP. (clock operation only without display)
- 12-hour clock function
- Six (6) buttons — Twenty four (24) preset station memories (18 for FM, 6 for MW)
- Manual and automatic (SEEK) UP/DOWN and automatic (SCAN) UP selections (sawtooth wave mode)
- Preset scan function
- Last channel memory (3 for FM, 1 for MW)
- Check tone output for key operation (with external oscillator)
- Option functions of LOCAL/DX, LOUDNESS, METAL, DOLBY, STEREO and AMS
- Preset station display (selectable dot or digit)
- Dynamic LED/FIP display or static LCD/FIP display (by μ PD6320G or μ PD6321G)
- Dimmer function (for dynamic display only)
- Prescaler μ PB553AC (5 V, 130 MHz MAX.)
- Selectable lead type

Lead bended type : μ PD1710G-017-00 Package Dimension . . . ⑤

Straight lead type : μ PD1710G-117-01 Package Dimension . . . ⑥

Receiving Frequency, Channel Spacing, Reference Frequency, Intermediate Frequency

ITEM BAND	FREQUENCY RANGE	CHANNEL SPACING	REFERENCE FREQUENCY	INTERMEDIATE FREQUENCY
FM	87.604 to 107.900 MHz	86 kHz	10 kHz	—10.700 MHz
MW	522 to 1 611 KHz	9 kHz	9 kHz	450 kHz

Key Matrix Configuration

INPUT OUTPUT	K ₃ (46)	K ₂ (44)	K ₁ (43)	K ₀ (42)
SEG a (34)	AU	AD	SCAN	AMS
SEG b (35)	MU	MD	M5	M6
SEG c (36)	M1	M2	M3	M4
SEG d (37)	LOC/DX	LOUD	METAL	DOLBY
SEG e (38)	RECAL	PRESET SCAN	ME	STEREO
SEG f (40)	FM/FM1BAND	FM2	FM3	MW
SEG g (41)	DIM			PRIORITY
D ₁ (1)			BAND1	BAND2
D ₂ (52)	IF	CLOCK SEL	CH DISP	STATIC DYNAMIC
D ₃ (51)	BLANK			

APPLICATION CIRCUIT EXAMPLE (FOR DYNAMIC DISPLAY)

