

# μPD1708G-019, μPD1708G-219

## PLL/CONTROLLER WITH CLOCK FUNCTION FOR FM·MW·TUNER

The μPD1708G-019, μPD1708G-219 with clock function is a PLL/controller, which is designed especially for radio of FM·MW·LW bands in the whole world.

### FEATURES

- Single power supply of 5 V ±10 %
- LCD direct drive (1/2 duty, 1/2 bias drive, frame frequency: 100 Hz)
- Build-in prescaler
- Build-in 12 hour/24 hour clock function
- 6 station preset memory (6 FM/MW/LW stations can be preset, independent of each other, with 6 buttons)
- Manual UP/DOWN and auto UP/DOWN (SCAN/SEEK) station selection (saw tooth tuning)
- Auto VF retune, Auto retune
- Auto preset memory, preset memory SCAN in band
- Last channel memory memorizes one FM/MW/LW station each.
- ARI (traffic information) auto tuning is possible.
- STEREO and SK can be indicated.
- Preset memory indication (number indication)
- Selectable lead type

Lead bended type : μPD1708G-019-00 Package Dimension . . . ⑤

Straight lead type : μPD1708G-219-03 Package Dimension . . . ⑦

### Receiving Frequency, Channel Spacing, Reference Frequency, Intermediate Frequency

DISTRICT	BAND	ITEM	FREQUENCY RANGE	Channel Spacing		Reference Frequency	Intermediate Frequency
				Manual	Auto		
Europe 1	UKW		87.50to108.00 MHz	50 kHz	50 kHz	25	10.700, 10.750 MHz
	MW		531to1 602 kHz	9 kHz	9 kHz	9	459 kHz
	LW		153to281 kHz	1 kHz	9 kHz	1	459 kHz
Europe 2	MW		531to1 602 kHz	9 kHz	9 kHz	9	459 kHz
	LW		153to281 kHz	1 kHz	9 kHz	1	459 kHz
Europe 3	UKW		87.5to108.00 MHz	50 kHz	50 kHz	25	10.700, 10.750 MHz
	MW		531to1 602 kHz	9 kHz	9 kHz	9	459 kHz
USA 1	FM		87.9to107.9 MHz	200 kHz	200 kHz	25	10.700, 10.750 MHz
	MW		530to1 610 kHz	10 kHz	10 kHz	10	450 kHz
USA 2	FM		87.9to107.9 MHz	200 kHz	200 kHz	25	10.700, 10.750 MHz
	MW		530to1 610 kHz	10 kHz	10 kHz	10	450 kHz
Middle East Australia 1	FM		87.9to107.9 MHz	100 kHz	100 kHz	25	10.700, 10.750 MHz
	MW		531to1 602 kHz	9 kHz	9 kHz	9	450 kHz
Middle East Australia 2	FM		87.9to107.9 MHz	100 kHz	100 kHz	25	10.700, 10.750 MHz
	MW		531to1 602 kHz	9 kHz	9 kHz	9	450 kHz
Japan	FM		76.1to89.9 MHz	100 kHz	100 kHz	25	-10.700, -10.750 MHz
	MW		522to1 629 kHz	9 kHz	9 kHz	9	450 kHz

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## APPLICATION CIRCUIT EXAMPLE

